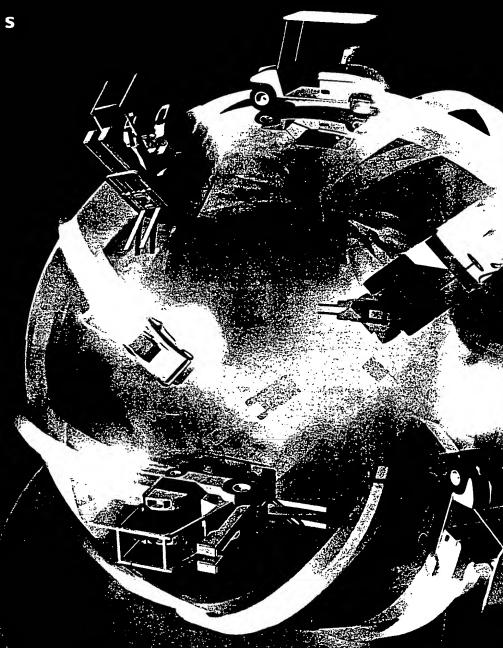
The Changing World of Industrial and Specialty Electric Vehicles



The Second Annual Conference

agust 18-20, 1999

The Hilton Hotel at

Walt Disney World Village

Lake Buena Vista, Florida

Exhibit I

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THE CHANGING WORLD OF INDUSTRIAL AND SPECIALTY ELECTRIC VEHICLES

The Second Annual Conference

August 18-20, 1999

The Hilton Hotel at Walt Disney World Village

Lake Buena Vista, Florida

THE CHANGING WORLD OF INDUSTRIAL AND SPECIALTY ELECTRIC VEHICLES

DAY 1 - Thursday, Au	ugust 19, 1999
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Located in Exhibit Hall

7:00	Continental Breakfast & Registration		
7:45	Welcome	Conference Chairman	Gloria Krein, EPRI Bob Hawkins, Alabama Power (SoCo)
8:00	Keynote Speaker Emerging Business Opportunities in the New Millennium		C.D. "Rapp" Rappleyea, Chairman & CEO New York Power Authority
9:00	Regulatory & Incentives Update The National Perspective The California Perspective Los Angeles Basin Incentive Program	Moderator	Coleen Tessema, SCE Kateri Callahan, EVAA Scott Rowland, CARB Michael Bogdanoff, SCAQMD
10:30	Break		
11:00	Lift Truck Session Material Handling Distributors Manufacturer's Perspective Manufacturer: New Technologies	Moderator	Don Caridas, AEP Liz Richards, MHEDA Tom Hoying, Crown Chris Goode, Clark
12:30	Luncheon/Exhibits Located in Exhibit Hall	•	
2:00	Bridging Automotive Research Automotive Controllers Solid State Devices Motors & Generators	Moderator	Bud Clark, C&SW Allan Gale, Ford Motor Company Fred Flett, International Rectifier Patrick J. McCleer, McCleer Power
3:00	Break		
3:15	Batteries/Opportunity Charging	Moderator	Bob Bellenger, Alabama Power (SoCo)
	Battery Update: Ovonic Battery Update: Yuasa Battery Life Testing 1998 Opportunity Charging Demo Projects Infrastructure Issues The Business Case for Fast Charging: Perspectives	3	Greg Fritz Karyl McKnight Naum Pinsky, SCE Gloria Krein, EPRI Ernie Morales, SCE Jay Gill, AeroVironment Stephen Schey, Edison Source
5:30	Reception		

DAY 2 - August 20, 1999

7:00	Continental Breakfast		·
7:45	Welcome	Conference Chairman	Bob Hawkins, Alabama Power (SoCo)
8:00	Utility Vehicles, Neighborhood Vehicles and City Cars Utility Vehicles	Moderator -	Kerry-Jane King, NYPA Karl Thidemann, Solectria B. Samara, Taylor-Dunn Barry Cook, E-Z-GO
·	Neighborhood Vehicles City Cars		Graham Hill, Global Elec. MotorCars Bryan Taylor, Bombardier James Geer, Ford Motor Company
10:30	Break		•
11:00	Outdoor Power Equipment Production Use of Automated Guided Vehicles in Manufacturing Outdoor Equipment	Moderator	Jerry Lonergan, KEURP Larry Toraason, John Deere Mark Gebhardt, CORECON Engineered Solutions
11:30	Scrubbers & Sweepers Commercial & Industrial Marketplace	Moderator	DeJim Lowe, TVA Mark Fleigle, Tennant Company
12:00	Luncheon/Exhibits Located in Exhibit Hall		
1:00	Propulsion Systems Applications to Non-Road Equipment	Moderator	Sal Termini, CSW Total EV Kevin Barnes, Unique Mobility
1:30	Airports: Improved Technologies John Wayne Airport United Airlines	Moderator	Layla Sandell, EPRI Scotty Stewart Ralph Timan
2:30	Break		
2:45	Marketing Transfer Green Pricing and the Non-Road Market	Moderator	Alex Hapka, Kansas City P&L Terry Peterson, EPRI
3:15	Bicycles & Portable EVs Bicycles Bicycles/Police Departments Successful Promotions	Moderator	Tonya Shadduck, CSW Total EV Richard Allen, EV Global East Kevin Moran, Smith & Wesson Tonya Shadduck, CSW Total EV
4:15	Drawing/Adjournment		Eric Heim, EPRI Bob Hawkins, Alabama Power (SoCo)

KEVIN A. BARNES UNIQUE MOBILITY, INC.

Kevin A. Barnes is the Manager of Product Sales at Unique Mobility, Inc. and is responsible for product and engineering services sales. Mr. Barnes also coordinates many of Unique's new business and product development programs.

While working for Unique, Mr. Barnes has been involved with many electric and hybrid/electric vehicle applications ranging from bicycles, scooters and wheelchairs to commuter cars and transit busses. Kevin joined Unique in 1988 where he was responsible for product development testing and pioneered Unique's involvement in solar racing and university electric and hybrid/electric vehicle competitions.

Mr. Barnes is a graduate of the Colorado School of Mines and holds a B.S. degree in power electronics and controls with a minor in alternative energy.

Unique Mobility, Inc.

Driving the World Electric Power with

Company Profile



Corporate Headquarters, Golden CO

Developer and manufacturer of

- > brushless PM motors,
- electronic controls and
- precision gear sets

for automotive, industrial and aerospace applications

FY 1999 Sales: \$15.8 million

Total assets: \$27.2 million

Employees: 190

American (AMEX:UQM), Berlin, Boston, Exchanges:

Chicago, Frankfurt and Pacific



Corporate Structure



EUROPE

Unique Mobility, Inc. Golden, Colorado

ASIA

Product development

Unique Mobility Europa GmbH
Mittwieda, Germany
JV & Licensee

Taiwan UQM Electric Co., Ltd.

Tao-Yuan, Taiwan ROC JV & Licensee





Unique Power Products, Inc. Frederick, Colorado

Motor & gear manufacturing

Franklin Manufacturing Company st. Charles, Missouri

Electronics manufacturing

Mission

Build on Unique's technology base to

become a leading provider of advanced

vehicle power systems for energy

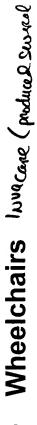
efficient, environmentally clean

transportation throughout the world.



6100 V 230 KW

Low Power Vehicles Existing Markets



Golf carts

Conford Award

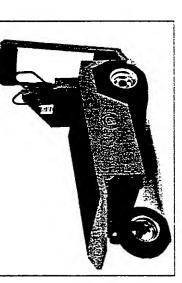
Floor

maintenance/sweepers

Warehouse/utility vehicles

Fork trucks

Automated guide vehicles



Commodity propulsion

systems

Today

Lead-acid batteries

Brush motors

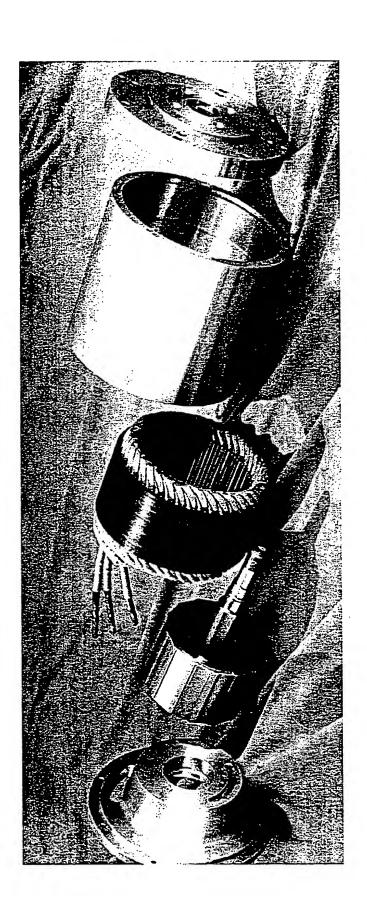
Tomorrow

Differentiation

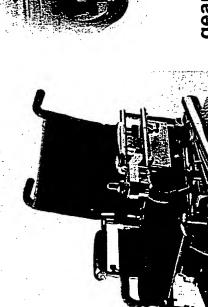
- Efficiency/range
- Performance
- Regenerative braking

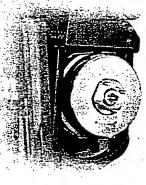


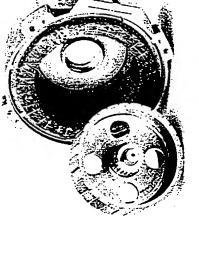
10 HP Traction Motor



UQM® Gearless Brushless (GB™) Wheelchair Motor

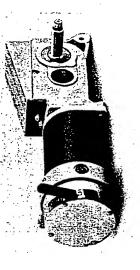








gearless brushless motor



Invacare Storm wheelchair

Traditional power chair motor

Low Power Vehicles **Emerging Markets**

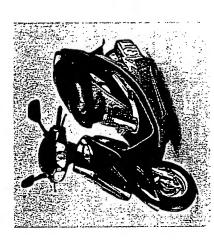








- Power density
 - **Efficiency**
- **Performance**



Neighborhood electric

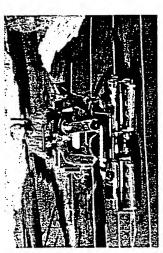
vehicles

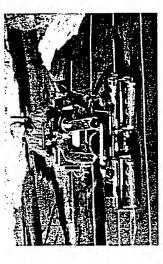
Lawn care products

Motor scooters

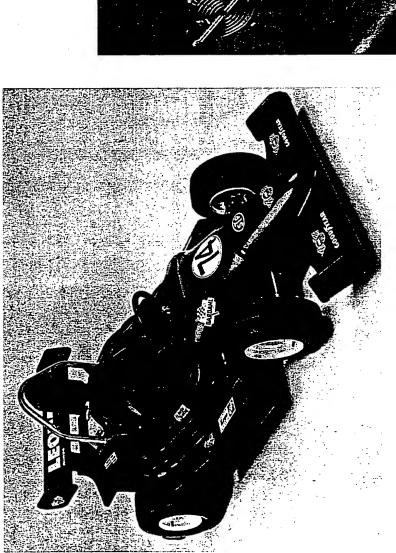
Go carts

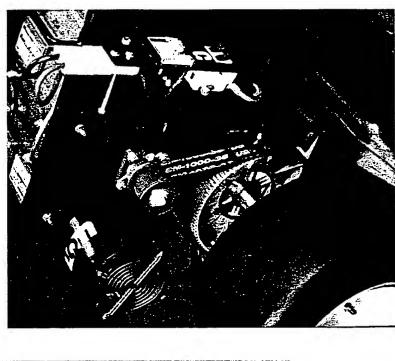
Bicycles



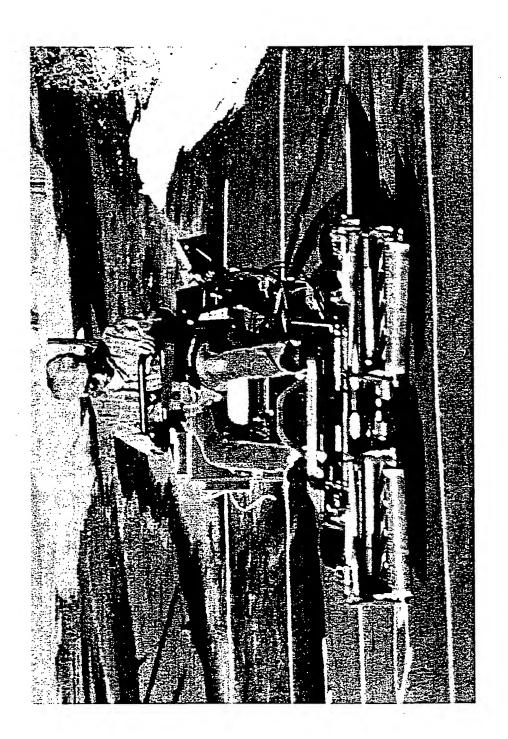


Go Cart

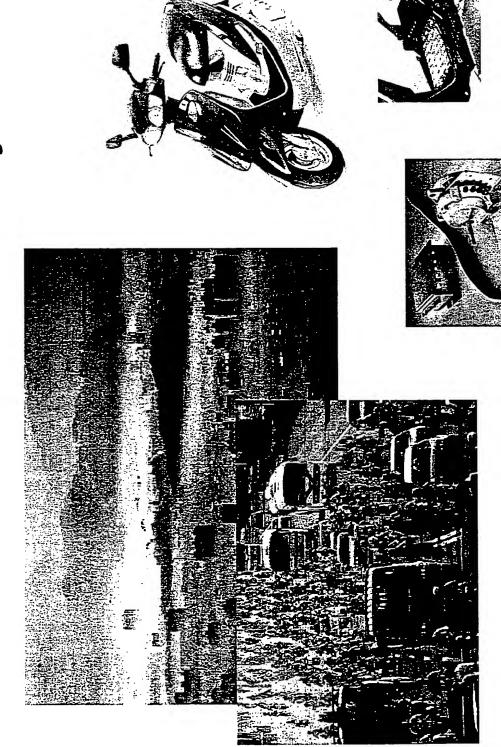




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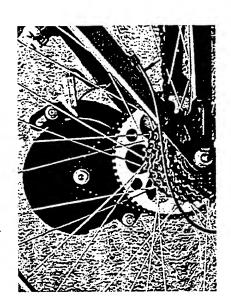


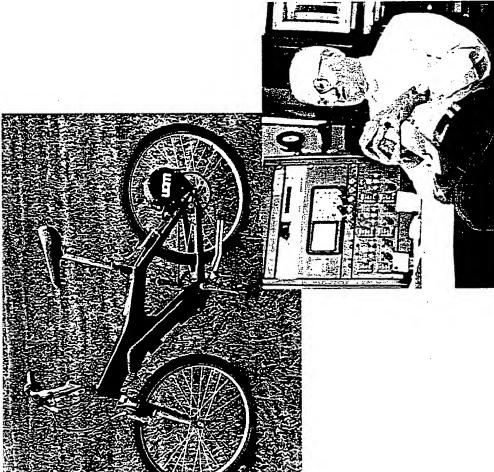
Electric Scooter Drive System



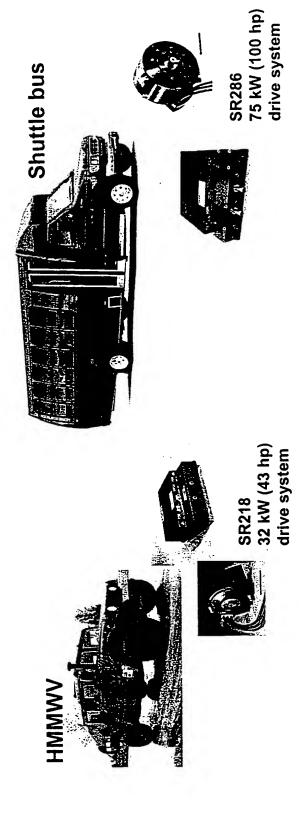
EVG Prototype Bike







High Power Hybrid Electric Vehicles

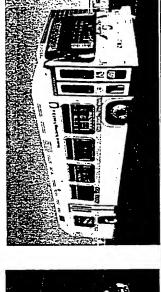


Military Bus Truck Agricultural

Orion

Construction

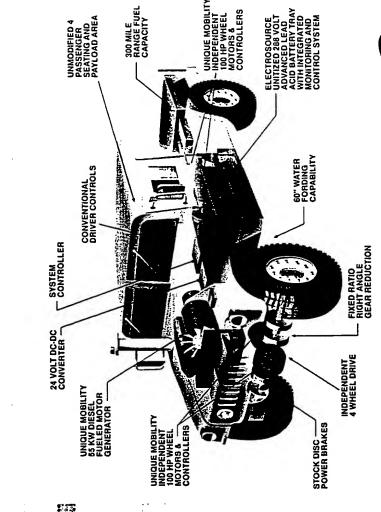
Mining





HYBRID ELECTRIC HMMWV

HMMW/





Strategy for Growth

Aggressive product commercialization with large-scale manufacturing capability 껱

Strategic partnerships to access key markets 퀱

■ Maintain a technology lead

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